

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 September 2002 (06.09.2002)

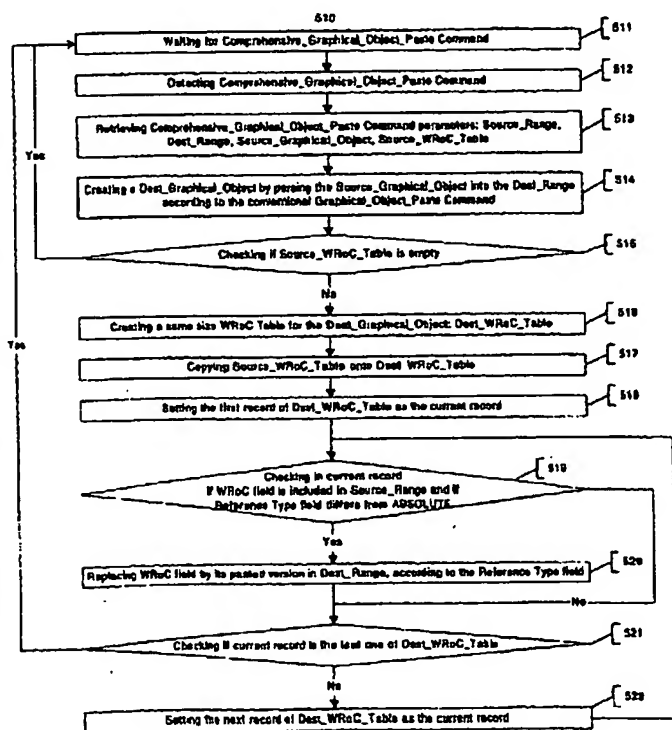
PCT

(10) International Publication Number
WO 02/069212 A3

- (51) International Patent Classification⁷: G06F 17/60
- (21) International Application Number: PCT/EP02/01953
- (22) International Filing Date: 31 January 2002 (31.01.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
01480018.9 27 February 2001 (27.02.2001) EP
- (71) Applicant (for all designated States except MC, US):
INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Road, Armonk, NY 10504 (US).
- (71) Applicant (for MC only): COMPAGNIE IBM FRANCE [FR/FR]; Tour Descartes, 2, avenue Gambetta, F-92066 Paris La Défense Cedex (FR).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): AUREGLIA, Jean-Jacques [FR/FR]; 1094 Route du Canalet, F-06670 Saint Martin du Var (FR). BAUCHOT, Frederic [FR/FR]; 299 Chemin du Vallon, La Tourraque, F-06640 Saint Jeannet (FR). SOLER, Catherine [FR/FR]; 110 Chemin de la Maure, F-06800 Cagnes sur Mer (FR).
- (74) Agent: ETORRE, Yves, Nicolas; Compagnie IBM France, Direction de la Propriété Intellectuelle, F-06610 La Gaude (FR).
- (81) Designated States (national): AE, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KI, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHOD AND SYSTEM IN AN ELECTRONIC SPREADSHEET FOR HANDLING GRAPHICAL OBJECTS REFERRING TO WORKING RANGES OF CELLS IN A COPY/CUT AND PASTE OPERATION



(57) Abstract: The present invention discloses a system and method of copying and pasting a source range of cells (405) onto a destination range of cells (425) in a multi-dimensional spreadsheet comprising a plurality of cells identified by a cell address along each dimension, a range of cells comprising one or a plurality of cells, said source range of cells (405) comprising one or a plurality of working ranges of cells (401), and one or a plurality of fastening ranges of cells in which one or a plurality of graphical objects are represented (402, 403, 404), said one or plurality of graphical objects being associated with said one or plurality of working ranges of cells.

WO 02/069212 A3



(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SI, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

(88) Date of publication of the international search report:
7 November 2002

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only
of inventorship (Rule 4.17(iv)) for US only

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/01953

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>TOPAIVA: "Workbooks including charts-Help with macro"</p> <p>INTERNET ARTICLE, 'Online!</p> <p>20 October 1999 (1999-10-20), XP002206626</p> <p>USENET Newsgroup: microsoft.public.excel.programming</p> <p>Retrieved from the Internet:</p> <p><URL:http://groups.google.com/groups?selm=7ukjer%24ppu%241%40pthp35.telecom.pt&output=gplain> 'retrieved on 2002-07-18!</p> <p>the whole document</p> <p style="text-align: center;">-/--</p>	1-12

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

22 July 2002

Date of mailing of the international search report

06/08/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Sanandr s Ledesma, J

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP 02/01953

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PISANO, ALESSANDRO: "Excel 5.0 question" INTERNET ARTICLE, 'Online! 30 January 1996 (1996-01-30), XP002206625 USENET Newsgroup: comp.apps.spreadsheets Retrieved from the Internet: <URL:http://groups.google.com/groups?selm=4em872%242d0q%40venere.1net.it&output=gplain> 'retrieved on 2002-07-18! the whole document</p>	1-12
A	<p>LLOYD, JOHN: "Re: Un-Linking a Chart from its data" INTERNET ARTICLE, 'Online! 18 June 1998 (1998-06-18), XP002206627 USENET Newsgroup: microsoft.public.excel.programming Retrieved from the Internet: <URL:http://groups.google.com/groups?selm=01bd99e7%245e5b9fc0%24LocalHost%40mandic.mandic.com.br&output=gplain> 'retrieved on 2002-07-18! the whole document</p>	
A	<p>US 5 883 623 A (CSERI ISTVAN) 16 March 1999 (1999-03-16) column 11, line 40 -column 12, line 40</p>	
A	<p>US 5 742 835 A (KAETHLER RICHARD LAWRENCE) 21 April 1998 (1998-04-21) the whole document</p>	
A	<p>WO 97 21176 A (KJAER HENRIK ; PEDERSEN DAN KAARE (DK)) 12 June 1997 (1997-06-12) page 62, line 10 -page 63, line 32</p>	
A	<p>EP 0 637 806 A (WANG LABORATORIES) 8 February 1995 (1995-02-08) page 13, line 30 -page 16, line 32 page 29, line 40 -page 31, line 3 page 33, line 30 -page 37, line 57</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 02/01953

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5883623	A	16-03-1999	US 5623591 A	22-04-1997
			US 5416895 A	16-05-1995
			AT 208069 T	15-11-2001
			CA 2092506 A1	09-10-1993
			DE 69331025 D1	06-12-2001
			DE 69331025 T2	23-05-2002
			EP 0569133 A2	10-11-1993
			JP 6139261 A	20-05-1994
			US 5572644 A	05-11-1996
			US 5502805 A	26-03-1996
			US 6282551 B1	28-08-2001
			US 5463724 A	31-10-1995
			US 5784545 A	21-07-1998
			US 5590259 A	31-12-1996
			US 5664127 A	02-09-1997
			US 6104325 A	15-08-2000
US 5742835	A	21-04-1998	US 5553215 A	03-09-1996
WO 9721176	A	12-06-1997	WO 9721176 A1	12-06-1997
			AU 4327396 A	27-06-1997
EP 0637806	A	08-02-1995	EP 0637806 A2	08-02-1995
			AU 607795 B2	14-03-1991
			AU 2094388 A	23-02-1989
			CA 1289255 A1	17-09-1991
			DE 3856038 D1	13-11-1997
			DE 3856038 T2	23-04-1998
			DE 3856313 D1	08-04-1999
			DE 3856313 T2	14-10-1999
			EP 0304071 A2	22-02-1989
			JP 1126736 A	18-05-1989
			US 5421012 A	30-05-1995
			US 5421015 A	30-05-1995
			US 5634124 A	27-05-1997
			US 5206951 A	27-04-1993
			US 5261080 A	09-11-1993
			US 5303379 A	12-04-1994
			US 5226161 A	06-07-1993